

Using Dump Ti	rucks On Uneven Terrain R	isk Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU ON PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or ur	ndertaking PCBU required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New			



RISK MATRIX									
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE MA	JOR CATASTROPH			HIERARCHY OF CONTROLS		
ALMOST CERTAIN	3 HIGH	3 HIGH		4 4 JTE ACUTE	SCORE	ACTION	Elimination Remove the hazard.		
LIKELY	2 MODERATE	3 HIGH	U U U U U U U U U U U U U U U U U U U	4 4 JTE ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard. Isolation		
POSSIBLE	1 LOW	2 MODERATE		4 JTE ACUTE	3H HIGH	Rev before work art	Isolate People from the hazard Engineering Isolate the		
UNLIKELY	1 LOW	1 LOW		3 Z GH ACU E	MC RATE	Ensure control measures in place.	Activité istrativ e Chang		
RARE	1 LOW	1 LOW		3 GH H. 1	1L LOW	Monitor and keep records.	PP		
Risk Rating & Required Action:         4A       Stop work. The risk is intolerable, cominate the hazard predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or his er-level authorisation is required.         3H       Review and approve additional controls to complete the proceed with caution; monitor conditions.         2M       Ensure all nominated controls are implace and efficience Proceed with caution; monitor conditions.         1L       Proceed, following standard operating procedure: Monitor and keep records.         Consequence Scale:							Notes on Hierarchy of Controls:         Remember to apply controls in the preferred order shown by the coloured pyramid:         1.       Eliminate         2.       Substitute         3.       Isolate         4.       Engineering         5.       Administrative         6.       PPE		
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat ator intervention; c		Always document why a lower-order control is accepted if		
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	tice; major media		elimination or substitution is not reasonably practicable. aligned with Safe Work Australia's Managing the risk of fatigue at		
Moderate	Medical-treatmen	nt injury; lost-tim	e > 1 moderate dela	y Minor breach; ad	Minor breach; adverse client comment		work (2023) and ISO 45001:2018 clauses 6–8.		
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance				
			no schedule		Deviation caught and corrected on site				



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	incorrect loading, unstable terrain	4A	<ul> <li>Conduct pre-operation inspection of dump truck</li> <li>Review weather conditions and site topograph</li> <li>Assess load weight and distribution</li> <li>Provide training for operators on uneven term</li> <li>Use spotters to guide truck operations</li> <li>Plan route to avoid steep includes and unstable ground</li> <li>Implement soil operators if new sary</li> <li>Ensure proton communication systems are deprace</li> <li>Idepton no-go on nest anomark them operators</li> <li>Chean of main optimes to optimal condition</li> </ul>	2М
2. Loading	material spillage, over	31	<ul> <li>Use of urflot unevention systems on loaders</li> <li>Using of urators on correct loading techniques</li> <li>Verify or inth before loading using scales</li> <li>vommunicate with loader operators for balanced distribution</li> <li>Use ground guides during loading activities</li> <li>Inspect the dump truck after loading for obstacles</li> <li>Establish clear signals between loader and truck operator</li> <li>Regularly maintain and calibrate loader scales</li> <li>Implement load securing measures</li> <li>Use proper personal protective equipment</li> </ul>	2М
3. Transport to Site	collision, rollover	4A	<ul> <li>Conduct route risk assessment before trips</li> <li>Provide operators with GPS for monitored navigation</li> <li>Install rollover protection structures on trucks</li> <li>Limit speeds according to site-specific restrictions</li> <li>Use traffic management plans to manage onsite vehicles</li> <li>Ensure proper signaling devices are functional</li> <li>Train operators on defensive driving practices</li> <li>Use well-defined haul roads</li> </ul>	2M



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			- Conduct regular vehicle maintenance checks	
			- Enforce seatbelt usage at all times	
4. Unloading	tipping, ground collapse	ЗН		1L
5. Post-Operation	equipment malfun wan, unguarded equipment	2M		1L
6. Routine Maintenance	hydraulic failure, electric shocks	ЗН		1L



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7. Emergency Situations	fire, medical emergencies	4A		2M
8. Operator Training	inexperience, fatigu	зн		2M
9. Communication	miscommunication, signal issues	ЗН		1L



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10. Terrain Assessment	subsidence, unexpected obstacles	4A		2M
11. Safety Signage and Signals	poor visibility, incorrect signage	ЗН		1L
12. Haul Road Maintenance	erosion, obstructions	зн		1L



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13. Site Monitoring	unauthorised access, environmental hazards	ЗН		1L
14. Personal Protective Equipment (PPE)	incorrect PPE usage, Physically	2M		1L
15. Environmental Considerations	pollution, habitat destruction	4A		2М



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16. Vehicle Access and Egress	blocked exits, slip and trip	ЗН		1L
17. Operator Fatigue Management	prolonged work hours, insufficient rest	4A		2М
18. Night Operations	inadequate lighting, night blindness	4A		2M



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19. Weather Monitoring	unexpected storms, extreme heat	ЗН		2M
			1	



#### **EMERGENCY RESPONSE – CALL 000 FOR EMERGENCIES**

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

LEGISLATIVE RE	FERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISL	ATIVE REFERENCES ANY STATE AT ARE NOT APPLICABLE
Queensland & Australian Capital Territory Work Health and Safety Act 2011 Work Health and Safety Regulations 2011 Legislation QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws Codes of Practice QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice Legislation ACT: https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice	Victoria Occupational Health an Safety Actor v4 Occupational Health and infetive gulations 2017 Legis from VIC: https://www.eucksafe.vic.gov.au/occupational-health-and-safety-act-and- rulations Codes on mactice VICountps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice
New South Wales         Work Health and Safety Act 2011         Work Health and Safety Regulations 2017         Legislation NSW: <a href="https://www.safework.nsw.gov.au/legal-obligations/legislatic">https://www.safework.nsw.gov.au/legal-obligations/legislatic</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislatic</a>	Western Australia Work Health and Safety Act 2020 Work Health and Safety Regulations 2022 Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u> Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 2015 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/worplace-servelaws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formed-resourcestors.com</u>	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model- codes-of-practice</u>
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (SA) Legislation for SA: <u>https://www.safework.sa.gov.au/resources/legislation</u> Codes of Practice for SA: <u>https://www.safework.sa.gov.au/work_aces/codes-of-practice#COPs</u> Tasmania Work Health and Safety Act 2012 Work Health and Safety (Transitional and Consequential Provisions) Act 2012 Work Health and Safety Regulations 2012	<ul> <li>Model Codes of Practice</li> <li>Managing noise and preventing hearing loss at work</li> <li>Confined spaces</li> <li>Labelling of workplace hazardous chemicals</li> <li>Managing risks of hazardous chemicals in the workplace</li> <li>Welding processes</li> <li>First aid in the workplace</li> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> </ul>
Work Health and Safety (Transitional) Regulations 2012 Legislation for TAS: <u>https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</u> Codes of Practice for TAS: <u>https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</u> Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council	Managing electrical risks in the workplace     Demolition work     Excavation work     Work health and safety consultation, cooperation and coordination     Managing the work environment and facilities     How to manage work health and safety risks     Managing risks of plant in the workplace
- Authorisation to commence work - Any required documents.	- Managing risks of plant in the workplace - Construction work